

Dual Flexure Plate Angular Accelerometer

Abstract

A dual capacitance accelerometer system includes two flexure plates coupled to the housing and defining a respective parallel flex axes. A fixed plate is adjacent to and in substantially parallel relation to the two flexure plates and is also coupled to the housing. The fixed plate and one of the flexure plates define a first distance and the fixed plate and the other flexure plate define a second distance. The first and second distances vary in response to acceleration forces acting upon the flexure plates.